IN THE CLAIMS

Please cancel Claims 4 and 11

1. (currently amended) A method of making a filter medium for use in a filtering application at an application temperature comprising:

providing a substrate;

providing a polyimide stiffening agent in solution selected from the group consisting of polyetherimides and polybismaleimides;

diluting the polyimide stiffening agent solution to approximately 5.5% solids; treating the substrate with the polyimide stiffening agent solution; curing the treated substrate; and

pleating the treated substrate, after curing the treated substrate, at a temperature above the application temperature, wherein the application temperature is greater than about 375°F;

wherein the treated substrate with the polyimide stiffening agent is capable of withstanding at least 100,000 cleaning pulses at a temperature of about 375°F, a flowrate of about 1200 cubic feet per minute, and a pressure of about 60psi.

- 2. (previously presented) The method of claim 1, further including calendering the substrate after the step of providing a substrate and before the step of treating the substrate.
- 3. (original) The method of claim 1, wherein the substrate is selected from the group consisting of polyarylene sulfides, aramides, polyimides, glass, acrylics, pre-oxidized acrylics and mixtures thereof.
 - 4. (canceled)

- 5. (canceled)
- 6. (canceled)
- 7. (original) The method of claim 1, wherein the polyimide stiffening agent is about 2% to about 20% by weight of the total weight of the filter medium.
 - 8. (canceled)

solution;

9. (currently amended) A method of making a filter medium for use in a filtering application at an application temperature comprising:

providing a polymer substrate;

calendering the polymer substrate;

providing a polyimide stiffening agent in solution selected from the group consisting of polyetherimides and polybismaleimides;

diluting the polyimide stiffening agent solution to approximately 5.5% solids; treating the calendered polymer substrate with the polyimide stiffening agent

curing the treated polymer substrate; and

pleating the treated substrate, after curing the treated substrate, at a temperature of about 430°C 430°F, wherein the treated polymer substrate with the polyimide stiffening agent is capable of withstanding at least 100,000 cleaning pulses at a temperature of about 375°F, a flowrate of about 1200 cubic feet per minute, and a pressure of about 60psi.

10. (previously presented) The method of claim 9, wherein the polymer substrate is selected from the group consisting of polyarylene sulfides, aramides, polyimides, acrylics, pre-oxidized acrylics and mixtures thereof.

- 11. (canceled)
- 12. (canceled)
- 13. (canceled)
- 14. (original) The method of claim 9, wherein the polyimide stiffening agent is about 2% to about 20% by weight of the total weight of the filter medium.
- 15. (original) The method of claim 9, wherein the application temperature is greater than about 375°F.
- 16. (previously presented) A method of making a filter medium for use in a filtering application at an application temperature comprising:

providing a substrate;

calendering the substrate;

providing a polyimide stiffening agent selected from the group consisting of polyetherimides and polybismaleimides;

treating the calendered substrate with the polyimide stiffening agent;

curing the treated substrate; and

pleating the treated substrate at a temperature that is higher than the application temperature.

- 17. (original) The method of claim 16, wherein the substrate is selected from the group consisting of polyarylene sulfides, aramides, polyimides, glass, acrylics, pre-oxidized acrylics and mixtures thereof.
 - 18. (canceled)

- 19. (previously presented) The method of claim 16, wherein the calendered substrate with the polyimide stiffening agent is capable of withstanding at least 100,000 cleaning pulses at a temperature of about 375°F, a flowrate of about 1200 cubic feet per minute, and a pressure of about 60psi.
- 20. (original) The method of claim 16, wherein the polyimide stiffening agent is about 2% to about 20% by weight of the total weight of the filter medium.
- 21. (original) The method of claim 16, wherein the application temperature is greater than about 375°F.